Technical Capabilities University of Washington

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NCD tubes



- Low Level counting and Particle I.D.
- Class-100 cléan/room
- 10,000 channel data acquisition
- Visualization software



- Distributed, low cost, internet based monitoring
 - Possible application: Standard radiation monitors for containers on container-ships. Monitor in transit.
- Van de Graaff accelerator and standard nuclear measuring techniques.
- Ability to measure gravity gradients
 - Possible application: locate activity underground or in caves



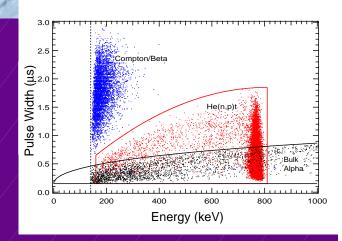
Torsion pendulun

- Large DOE supported laboratory on campus of U.W
- · Prototyping machine shops
- Electronics shop with surface mount capability
- Clean room (Class 100)

- Uniquely broad synergistic physics background
- Innovative construction of instruments and detec
- Training new researchers for the field
- Detection of ultra-weak signals
- Precision Measurements
- Software developments

Recent examples of creative accomplishments

- Solar neutrinos:
- Data acquisition and visualization
- 7Be(p,γ) S-factor
- Most precise measurement of Newton's constand
- Precise experimental searches for breakdown of gravity





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